

What is claimed is:

1. A method for controlling the output quantity (NMOTACT) of a drive unit of a motor vehicle, the method comprising the steps of:

5 adjusting said output quantity (NMOTACT) utilizing a controller output (MDES) and causing said output quantity (NMOTACT) to track an input value (NMOTDES); and,

10 bringing said controller output (MDES) to a pregiven limit value (MO, MU) in at least one pregiven operating state of said vehicle when a pregiven control deviation (dnv) of said output quantity (NMOTACT) is exceeded.

2. The method of claim 1, wherein an engine rpm of said drive unit is used as said output quantity (NMOTACT).

3. The method of claim 2, wherein an engine output torque of said drive unit is used as said controller output (MDES).

4. The method of claim 1, comprising the further step of bringing said controller output (MDES) to a pregiven limit value (MO, MU) utilizing a delay member.

5. The method of claim 4, wherein said delay member is a proportional time member.

6. The method of claim 4, comprising the further step of variably adjusting a time constant of said delay member.

7. The method of claim 6, comprising the further step of

adjusting said time constant in dependence upon at least one of a control deviation (dn), a driving state, a transmission ratio and a type of driver.

8. The method of claim 1, wherein said pregiven operating state is a shift operation of an automatic transmission or an automated manually-shifted transmission.

9. The method of claim 1, comprising the further steps of:

controlling said output quantity (NMOTACT) with a PD controller or a PID controller which generates said controller output (MDES) therefor;

5 limiting said controller output (MDES) in a limiter to a pregiven actuating region (Δ); and,

bringing the width of said pregiven actuating region (Δ) to zero in said at least one operating state.

10. The method of claim 9, comprising the further step of again increasing said width of said actuating region (Δ) as soon as the pregiven control deviation (dnv) is reached or there is a drop therebelow.

11. An arrangement for controlling the output quantity (NMOTACT) of a drive unit of a motor vehicle, the arrangement comprising:

means for adjusting said output quantity (NMOTACT) utilizing a controller output (MDES) and causing said output

5 quantity (NMOTACT) to track an input value (NMOTDES); and,

means for bringing said controller output (MDES) to a pregiven limit value (MO, MU) in at least one pregiven operating state of said vehicle when a pregiven control deviation (dnv) of

said output quantity (NMOTACT) is exceeded.